

HP Business Process Testing software

Data sheet

Bridge the quality gap between subject matter experts and quality engineers

Do miscommunications and misaligned priorities between subject matter experts and quality engineers result in time-consuming test rework? Does limited subject matter expert involvement during testing lead to defects and breakdowns in your critical business applications? Are defects found in production instead of by your functional testing team—hurting your group's credibility? Do you need a solution that streamlines the creation and maintenance of both manual and automated test cases?

HP Business Process Testing software is a comprehensive, role-based test design solution framework for QA groups to build and reuse structured testing components in both manual and automated testing. It bridges the quality gap between

your subject matter experts and quality engineers. As it is Web-based, your subject matter experts can build, data-drive, and execute manual and automated tests without any programming knowledge.

HP Business Process Testing reduces the overhead for test maintenance, and combines test automation and documentation into a single effort. You can measure the quality of your application deliverables from abstract business definitions defined within the HP Business Process Testing framework. Your subject matter experts can focus on creating high-level test flows that mirror actual business process, and execute these test cases manually with no additional work. Alternatively, your quality engineers can automate the test library.



HP Business Process Testing software is an automated and manual testing solution for test design, test creation, test maintenance, test execution, and test data management. It aligns testing with business objectives and dramatically reduces test cycle times by leveraging business subject matter experts in the test design and quality optimization process. It gives you the confidence that your critical business processes are functioning correctly.

How HP Business Process Testing works

HP Business Process Testing introduces the concept of reusable business components for test design. This construct drastically reduces your test maintenance and improves efficiency for test creation. It lets you create data-driven manual test libraries in a fraction of the time of traditional test design solutions.

To accelerate test automation, the software uses a technology known as “keyword-driven” testing. This next-generation approach to test automation introduces best practices into your test design and gives you a complete, scriptless solution for test design, maintenance, and execution. After you design a manual test case in HP Business Process Testing, it is easy to automate.

Comprehensive test development framework

HP Business Process Testing provides a Web-based, script-free test development environment. You can design tests using abstract terms and definitions, and the product abstracts test data from test flows for streamlined test development. You can create rows of data conditions in a table to trigger test conditions during execution.

The software is also role-based, allowing non-technical subject matter experts to define test cases in a browser early in the software development lifecycle. These subject matter experts define reusable test components and flows through an easy-to-use interface by declaring what steps to take and what data to use.

HP Business Process Testing can be customized to adapt to customer-specific work processes through user-defined fields and scripted workflows. The software also allows you to organize business components into flows, which represent specific paths through the business application. Flows can be dragged and dropped to create higher-level, end-to-end tests, throughout business applications. Flows also support branching capabilities so you can cover multiple business process variations with a single test.

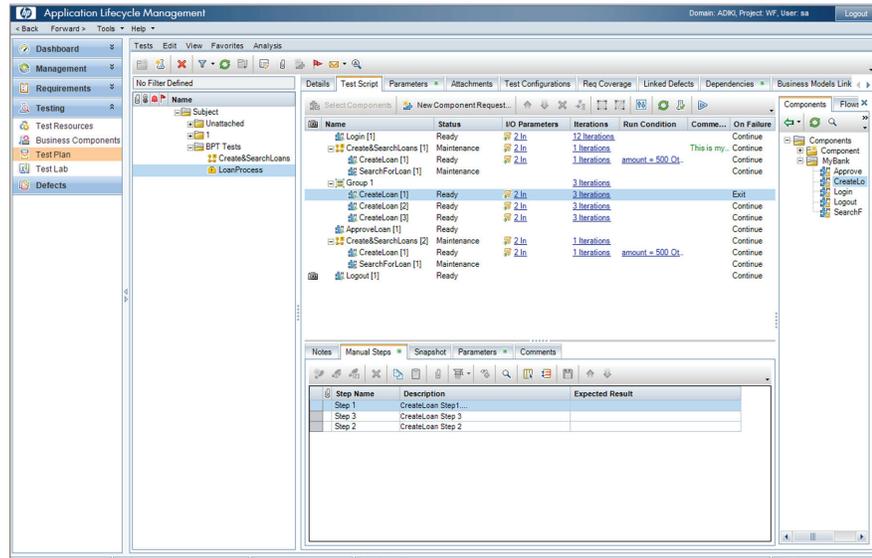
Version control and baselining are enabled for components, flows, and tests, enabling distributed teams to collaborate on test development without the risk of overriding previous changes.

Test assets can be created in one test project and reused throughout projects or releases, allowing creation of reusable component libraries that can serve you throughout your business application implementation project and beyond.

Test cases created within HP Business Process Testing can be executed through the HP Quality Center software test lab, enjoying the full set of test execution, scheduling, and reporting capabilities.

For automation, HP Business Process Testing lets your quality engineers influence HP QuickTest Professional software to automate component test definitions. Through reusable business components, your subject matter experts can draw on these same automated assets when designing future test cases with no rework.

Figure 1: Streamline test flows, leverage reusable components and iteratively insert corresponding data into actual test steps during execution



Begin your test design early in the software development lifecycle

HP Business Process Testing lets you begin quality assurance (QA) efforts earlier in the application development lifecycle. Through the use of keyword-driven testing, test automation can occur offline, still before the application flows are stable enough to be recorded.

Existing manual tests can also be converted into manual test components, resulting in instantly reusable test assets. Customers with a large amount of legacy, non-componentized manual tests can easily move to HP Business Process Testing while preserving their existing investment.

Automatically maintain test cases and test plan documentation

Through business component technology, HP Business Process Testing also streamlines the maintenance of testing assets, as both manual and automated testing definitions can call highly reusable business definitions.

These business components centralize test maintenance in one repository. Furthermore, the software generates test plan documents (in Microsoft® Word format), so your tests can be leveraged for training and regulatory compliance purposes.

Accelerate the testing of SAP and Oracle applications

HP Business Process Testing software is a very popular solution for enabling SAP and Oracle application implementations and upgrades. When new business flows are introduced in an application, you can learn these flows and break them down into a set of fully automated, reusable business components. It makes the maintenance of your test library easy by helping you detect changes in the application, reuse existing test components, and update your tests.

To further accelerate your SAP or Oracle application testing project, HP Software partners can provide prebuilt business components that are uniquely tailored for each customer and can be quickly updated as the application changes.

Key features and benefits

- Allows non-technical subject matter experts to quickly build, data-drive, and document tests in one Web-based system
- Provides the framework to design and develop reusable test components and flows based on business process models
- Allows you to manually execute business process test scripts with HP Sprinter
- Reduces the effort required for test maintenance by deploying centralized business components for both manual and automated tests

- Allows you to start test automation earlier in the development lifecycle, still before an application is delivered to QA
- Provides the ability to convert manual tests to manual test components
- Generates test plan documentation automatically through an innovative auto-documentation feature
- Enables versioning and baselining of components, flows, and tests
- Provides the ability to map business requirements to tests, components, or flows for improved traceability
- Enables you to set pass/fail conditions via component criteria for logical requirements coverage
- Centralizes test maintenance so application changes are automatically propagated through automated test assets
- Allows you to centrally define a set of test environments and data configurations that can be used in both manual and automated business process testing
- Provides the ability to setup input parameters and iteratively insert corresponding data into actual test steps during execution
- Provides a framework to build User Acceptance Tests (UAT) that meets the business requirements

HP BTO Application Solutions

HP's application solutions help enable modernization initiatives deliver business outcome instead of failing under the burden of outdated, legacy delivery mechanisms. Where rival solutions mistake the software development lifecycle for a total picture of the application, HP sees core delivery in the context of the complete application lifecycle—from business idea through retirement. Furthermore, by providing unified management and automation solutions, HP offers customers not only more tools and integrations but also greater simplicity. The result for enterprise application teams is improved predictability, repeatability, quality, and change readiness in both the core and complete lifecycle.

To find out more about HP Business Process Testing software and see how it can help you streamline testing processes, visit: www.hp.com/go/software

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